WHAT IS CLAIMED IS:

- 1 1. A steering column for a vehicle, comprising:
- 2 a steering shaft;
- a column jacket accommodating therein the steering
- 4 shaft, the column jacket being integrally formed by bending
- 5 a metal plate into a substantially U-shape to define a pair
- 6 of opposed side walls and arranged with an opening of the
- 7 U-shape facing downward;
- 8 upper and lower brackets mounted on upper and lower ends
- 9 of the column jacket, respectively; and
- 10 upper and lower bearings fixed to the upper and lower
- 11 brackets, respectively, to support the steering shaft
- 12 rotatably.
- 1 2. A steering column according to Claim 1,
- each of the upper and lower brackets having a
- 3 cylindrical portion through which the steering shaft is
- 4 passed, and defining therein a recess at a position around
- 5 the cylindrical portion, and
- 6 the column jacket having protrusions formed on the
- 7 upper and lower ends thereof to be engaged in and caulked or
- 8 welded to the recesses of the upper and lower brackets,
- 9 respectively.
- 1 3. A steering column according to Claim 2, wherein the
- 2 upper and lower bearings are fitted in the cylindrical
- 3 portions of the upper and lower brackets, respectively.
- 1 4. A steering column according to Claim 2, wherein the each
- 2 of the upper and lower brackets is integrally formed from a

- 3 metal plate by press forming, and the cylindrical portions
- 4 of the upper and lower brackets are formed by burring.
- 1 5. A steering column according to Claim 1,
- the side walls of the column jacket having a pair of
- 3 opposed through holes and slots formed therein, and
- 4 the steering column further comprising:
- 5 a fixed bracket mounted on the column jacket and having
- 6 a pair of opposed clamping walls to clamp the side walls
- 7 therebetween, the clamping walls having a pair of vertically
- 8 elongated tilt holes formed therein at positions
- 9 corresponding to the through holes of the side walls,
- a bolt passing through the through holes of the side
- 11 walls and the tilt holes of the clamping walls, the bolt being
- 12 movable through the tilt holes such that the column jacket
- 13 is tilted together with the steering shaft;
- 14 a nut fitted onto the bolt to cause the clamping walls
- 15 to clamp the sidewalls therebetween and thereby lock the
- 16 steering shaft at a desired tilt position; and
- a reinforcing plate having protrusions engaged in the
- 18 slots, respectively, to be held between the side walls of the
- 19 column jacket.
- 1 6. A steering column according to Claim 1, wherein the
- 2 column jacket has flanges to which a key cylinder is attached,
- 3 and the flanges are integrally formed by bending the
- 4 respective side walls.
- 1 7. A steering column according to Claim 1,
- 2 the upper bracket having a combination switch
- 3 attachment portion formed integrally thereon and to which a

- 4 combination switch is attached, and
- 5 each of the lower bracket and the fixed bracket having
- 6 a mounting portion integrally formed thereon and fixed to a
- 7 vehicle body for mounting the steering column on the vehicle
- 8 body.
- 1 8. A steering column, comprising:
- 2 a steering shaft;
- 3 a column jacket accommodating therein the steering
- 4 shaft, the column jacket being formed into one piece and
- 5 having a substantially U-shape in cross section throughout
- 6 its length to define a pair of opposed side walls extending
- 7 axially of the steering column;
- 8 upper and lower brackets mounted on upper and lower ends
- 9 of the column jacket, respectively;
- 10 upper and lower bearings fixed to the upper and lower
- 11 brackets, respectively, to support the steering shaft
- 12 rotatably.
- 1 9. A steering column according to Claim 8, wherein the
- 2 column jacket is arranged with an opening of the U-shape
- 3 facing downward.
- 1 10. A steering column according to Claim 8,
- each of the upper and lower brackets having a
- 3 cylindrical portion through which the steering shaft is
- 4 passed, and defining therein a recess at a position around
- 5 the cylindrical portion, and
- 6 the column jacket having protrusions formed on the
- 7 upper and lower ends thereof to be engaged in and caulked or
- 8 welded to the recesses of the upper and lower brackets,

- 9 respectively.
- 1 11. A steering column according to Claim 10, wherein the
- 2 upper and lower bearings are fitted in the cylindrical
- 3 portions of the upper and lower brackets, respectively.
- 1 12. A steering column according to Claim 8,
- the side walls having a pair of opposed through holes
- 3 formed therein, and
- 4 the steering column further comprising:
- 5 a fixed bracket mounted on the column jacket and having
- 6 a pair of opposed clamping walls to clamp the side walls
- 7 therebetween, the clamping walls having a pair of vertically
- 8 elongated tilt holes formed therein at positions
- 9 corresponding to the through holes of the side walls,
- 10 a bolt passing through the through holes of the side
- 11 walls and the tilt holes of the clamping walls, the bolt being
- 12 movable through the tilt holes such that the column jacket
- 13 is tilted together with the steering shaft;
- a nut fitted onto the bolt to cause the clamping walls
- 15 to clamp the sidewalls therebetween and thereby lock the
- 16 steering shaft at a desired tilt position; and
- 17 a reinforcing plate held between the side walls of the
- 18 column jacket to surround the bolt.
- 1 13. A steering column according to Claim 6, wherein the
- 2 column jacket comprises has flanges integral with the side
- 3 walls, respectively, for attachment of a key cylinder.
- 1 14. A steering column according to Claim 8,
- 2 the upper bracket having a combination switch

- 3 attachment portion formed integrally thereon and to which a
- 4 combination switch is attached, and
- 5 each of the lower bracket and the fixed bracket having
- 6 a mounting portion integrally formed thereon and fixed to a
- 7 vehicle body for mounting the steering column on the vehicle
- 8 body.